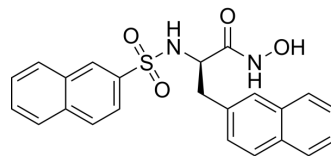


## BB-78485

Cat. No.:	HY-121021
CAS No.:	207732-11-4
Molecular Formula:	C <sub>23</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	420.48
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	BB-78485 is an LpxC metalloenzyme inhibitor with antibacterial activity. BB-78485 can inhibit LpxC with an IC <sub>50</sub> value of 160 nM. BB-78485 can be used for the research of gram-negative selective antibacterials <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC50: 160 nM(LpxC) <sup>[1]</sup>
<b>In Vitro</b>	BB-78485 can inhibit LpxC with an IC <sub>50</sub> value of 160 nM <sup>[1]</sup> . BB-78485 has effect against D21 and D22 (lpxC101) with MICs values of 2 µg/mL and 0.016 µg/mL, respectively <sup>[1]</sup> . BB-78485 shows predominantly gram-negative activities against members of the Enterobacteriaceae, <i>Serratia marcescens</i> , <i>Morganella morganii</i> , <i>Moraxella catarrhalis</i> , <i>Haemophilus influenzae</i> , and <i>Burkholderia cepacia</i> with MICs values range from 1µg/mL to 32 µg/mL <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Clements JM, et al. Antibacterial activities and characterization of novel inhibitors of LpxC. *Antimicrob Agents Chemother.* 2002;46(6):1793-1799.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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